

An asynchronous transfer mode connection band control system in a system for transmitting and receiving an asynchronous transfer mode cell utilizing an asynchronous transfer mode network, has data storage means for storing a connection band of a preferential switched virtual connection having high preference in the asynchronous transfer mode network being stored preliminarily as a band acquiring data and storing acquired band data of a switched virtual connection currently established connection, and connection band control means for performing control of connection band on the basis of a total number of bands derived by a sum of the band acquiring data and the acquired band data stored in the data storage means.

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